Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No. *First & Final* (For Other Works) Date...../...../2017

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Byatarayanapura**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional Work Code: **005-17-000050**

Schedule Docket No. Head of Account: Est.Cost: **12.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): **Drilling of Borewells and Providing Pump and Motor at Basavalingappanagara Layout (Hathmani layout) Surrounding area in Ward No. 05 Byatarayanapura Sub Division**

Name of Contractor and Full Address : *M/s Executive Engineer, KRIDL, No. 280, 59th Cross Road, 3rd Y Block, Rajajinagara, Bangalore-10.*

Reference to Agreement No. **BBMP/EE/BTP/WO/60/2017-18** Date: **06.05.2017**

Certified that the measurements were taken by me on 3/8/17 and recorded of Pages **356701-356721** of measurement Book No.**3568/17-18** and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Certified that the measurement were taken by me on 3/8/2017 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being .....percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount		1199925-00
adjusted towards cash advance recovery of		
b) Payments Now made } cost store or other material supplied.	IT	23999-00
recovery of amount creditable to this/other work	CLY	11999-00
Amount paid on this bill Cheque / Cash.	CBS	1200-00
	SD.	59996-00
5) Balance being unpaid value of work done held in reserve.	Adj.	97194-00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.	Cheque	1102731-00
Total amount adjusted		

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

1199925-00
97194-00
1102731-00
Rs. Eleven Lakhs two thousand seven hundred thirty One only

Witness
1.
2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment **Executive Engineer**

Sl. No.	Descriptions	Unit
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to	Each BW
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)0 to 50 m	Rmtr
3	50 to 100 m	Rmtr
4	100 to 150 m	Rmtr
5	150 to 200 m	Rmtr
6	200 to 250 m	Rmtr
7	250 to 300 m	Rmtr
8	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded middle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-I, I.NO-84, PRED 12-13 SR)	Rmtr
9	Providing and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 13-14, P.No.53 Item 1 of sl.no.11.)	Rmtr
10	Providing and fixing 175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)	Each
11	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 25 stage (P.NO XXXIII, I.NO-33, PWD SR 13-14) 15 HP 30 Stage	No
12	Providing laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc., complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe (SR 13-14 PWD P.No XVII Sl no. 509)	Rmtr
13	Providing & fixing heavy duty collar (P.NO-III, I.NO-86, PRED 12-13 SR)	
14	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
15	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) etc., complete and as per the directions of the Engineer-in-charge of the work	Per Length
16	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
17	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
18	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc. complete and as per the directions of the Engineer-in-charge of the work	Mtr
19	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2, P-7 with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	2	1882.00	3764.00	2.00	3764.00	
-	-	100.00	306.00	30600.00	100.00	30600.00	
-	-	100.00	400.00	40000.00	100.00	40000.00	
-	-	100.00	445.00	44500.00	100.00	44500.00	
-	-	100.00	470.00	47000.00	100.00	47000.00	
-	-	100.00	544.00	54400.00	100.00	54400.00	
-	-	100.00	583.00	58300.00	100.00	58300.00	
		99.0 90.00	1325.00	57717- 119250.00	99.0 90.00	57717- 119250.00	
-	-	30.00	754.47	22634.00	30.00	22634.00	
		2	100.00	200.00	2.00	200.00	
		2	70600.00	141200.00	2.00	141200.00	
		560.00	375.00	210000.00	560.00	210000.00	
		93	130.00	12090.00	93.00	12090.00	
		1120.00	188.70	211344.00	1120.00	211344.00	
		90	88.00	7920.00	90.00	7920.00	
		2	302.00	604.00	2.00	604.00	
		30.00	140.40	4212.00	30.00	4212.00	
		30.00	10.80	324.00	30.00	324.00	
		30.00	85.00	2550.00	30.00	2550.00	

20	Supplying and fixing of Class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
21	Supplying and fixing L.T. cast iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
22	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
23	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
24	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
25	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
26	SSupplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour etc., complete and as per the directions of the Engineer-in-charge of the work	No
27	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
28	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
29	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Sq.Cm
30	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset 10HP to 20 HP Star Delta Starter SERDED Rate with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
31	Earthwork excavation for pipeline foundation including deporiting or bank up to a depth of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
32	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 75mm Dia 6 KSC	Rmtr

		8.00	345.00	**2760.00**	8.00	**2760.00**	
		2.00	280.00	**560.00**	2.00	**560.00**	
		2	2727.00	**5454.00**	2.00	**5454.00**	
		12	180.00	**2160.00**	12.00	**2160.00**	
		2	1585.76	**3172.00**	2.00	**3172.00**	
		2	227.90	**456.00**	2.00	**456.00**	
		8	80.00	**640.00**	8.00	**640.00**	
		2	350.00	**700.00**	2.00	**700.00**	
		2	1547.00	**3094.00**	2.00	**3094.00**	
		46800.00	0.33	**15444.00**	46800.00	**15444.00**	
		2	11000.00	**22000.00**	2.00	**22000.00**	
		15.30	188.00	**2876.00**	15.30	**2876.00**	
		34.00	157.00	**5338.00**	34.00	**5338.00**	

33	Refilling the bumont and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrswith all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
34	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each
35	For BESCOM Deposit Charges	
	Application Charges (Receipt Attached)	
	Meter Charges (Landis and Gyr Limited)	
	For Meter Deposit	
	Add 8% KRIDL Charges	
	Add 1% Labour Cess	
	Net Total Amount	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

		15.30	61.00	**933.00**	15.30	**933.00**	
		2	2175.12	**4350.00**	2.00	**4350.00**	
		2	100.00	**200.00**	2.00	**200.00**	
		2	1730.00	**3460.00**	2.00	**3460.00**	
		2	12240.00	**24480.00**	2.00	**24480.00**	
				1108969.00		**1108969.00**	
				88718.00		88718.00	
				11090.00		11090.00	
				1199925.00		**1199925.00**	

1108386 -
88670 -
11083
1208139 -
Limit Rs. 11.99.925/-

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24